

CLAIMS:

- John Galt B1*
1. A composition for use in treating epithelial lesions comprising:
8-hydroxyquinoline;
a chelatable metal agent; and
a carrier,
wherein said 8-hydroxyquinoline and said chelatable metal agent are present
in effective amounts for treating mammalian lesions selected from the group
consisting of cancerous lesions, precancerous lesions, and warts.
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2. The composition as set forth in claim 1 wherein said effective amounts
include a ratio of 8-hydroxyquinoline to said chelatable metal agent ranging from
1:1 to 1:3 by weight.
3. The composition as set forth in claim 2 wherein said ratio is about 1:2.
4. The composition as set forth in claim 1 wherein said effective amounts
are therapeutically effective without producing an eschar.
5. The composition as set forth in claim 4 wherein said effective amounts
include zinc chloride as said chelatable metal agent present in an amount ranging
from five percent to twenty percent of said composition by weight.
6. The composition as set forth in claim 1 wherein said effective amounts
include zinc chloride as said chelatable metal agent present in an amount ranging
from five percent to twenty percent of said composition by weight.
7. The composition as set forth in claim 1 wherein said effective amounts
are therapeutically effective without producing an eschar.
8. The composition as set forth in claim 7 wherein said effective amounts
include zinc chloride as said chelatable metal agent present in an amount ranging
up to forty percent of said composition by weight.
9. The composition as set forth in claim 1 wherein said effective amounts
include zinc chloride as said chelatable metal agent present in an amount ranging
up to forty percent of said composition by weight.
10. The composition as set forth in claim 1 wherein said chelatable metal
agent is zinc chloride.
11. The composition as set forth in claim 1 wherein said chelatable metal
agent includes zinc.
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12. The composition as set forth in claim 1 chelatable metal agent includes chlorine.

13. The composition as set forth in claim 1 wherein said chelatable metal agent is zinc chloride.

14. The composition as set forth in claim 1 wherein said carrier is a gel base.

15. The composition as set forth in claim 1 wherein said gel base is a polyoxyalkylene ether derivative of propylene glycol.

16. The composition as set forth in claim 1 wherein said carrier contains a penetrant.

17. The composition as set forth in claim 1 wherein said penetrant is lecithin.

18. The composition as set forth in claim 1 wherein said penetrant is dimethyl sulfoxide.

19. The composition as set forth in claim 1 wherein said carrier contains an antioxidant.

20. The composition as set forth in claim 1 wherein said antioxidant is selected from a group consisting of nordihydroguaiaretic acid, nordihydroguaiaretic acid derivatives, and functional homologues of nordihydroguaiaretic acid.

21. The composition as set forth in claim 1 wherein said antioxidant is selected from a group consisting of ascorbic acid, ascorbic acid derivatives, and functional homologues of ascorbic acid.

22. The composition as set forth in claim 1 wherein said 8-hydroxyquinoline is derived from quercetin in said composition.

23. A method of treating mammalian epithelial lesions, said method comprising the steps of:

identifying a mammalian lesion selected from the group consisting of precancerous lesions, cancerous lesions, and warts;

- 5 administering to said lesion a composition containing
8-hydroxyquinoline,
a chelatable metal agent, and
a carrier,

10 wherein said 8-hydroxyquinoline and said chelatable metal agent are present in effective amounts for treating mammalian epithelial lesions selected from the group consisting of cancerous lesions, precancerous lesions, and warts; and permitting said composition to destroy said lesion.

24. The method of claim 23 wherein said step of administering to said lesion includes a step of providing said composition to include said effective amounts as a ratio of 8-hydroxyquinoline to said chelatable metal agent ranging from 1:1 to 1:3.

25. The method of claim 24 wherein said ratio is about 1:2.

26. The method of claim 23 wherein said effective amounts include said 8-hydroxyquinoline present in an amount ranging from five percent to twenty percent of said composition by weight.

27. The method as set forth in claim 23 wherein said chelatable metal agent is zinc chloride.

28. The method as set forth in claim 23 further including a step of permitting skin at said lesion site to heal without scarring.

29. The method as set forth in claim 23 wherein said steps of identifying, administering, and permitting are performed without the formation of an eschar at the lesion site.

30. The method as set forth in claim 23 wherein said steps of identifying, administering, and permitting are performed with the formation of an eschar at the lesion site.

31. The method as set forth in claim 23 wherein said step of administering is performed topically.

32. The method as set forth in claim 23 wherein said step of administering is performed by injection.

33. The method as set forth in claim 23 wherein said step of administering is performed orally.